

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

160394
MEMORANDUM

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E.P.A. - D.L.P.C.
STATE OF ILLINOIS

DATE: March 17, 1983

TO: Division File ✓

FROM: Ken Mensing - Southern Region *Kgm*

SUBJECT: LPC - General - St. Clair County - Sauget/S.T.P.

On March 12, 1983, I went to the Sauget Sewage Treatment Plant for the purpose of obtaining additional soil samples to be analyzed for dioxin. These samples were to be analyzed, under contract, by the Hazleton-Raltech Lab in Madison, Wisconsin. This same lab performed the analyses for dioxin on the ten (10) soil samples I collected at the S.T.P. on February 19, 1983. On March 12, 1983, I met with John Zelle with the American Bottoms Regional Waste Water Treatment Association, Carl Marciante who is the operator of the Sauget S.T.P. and Rick Snarski who was the sampler for Envirodyne Engineers. Envirodyne is the contract lab for the Village of Sauget. We all met at the treatment plant at about 9:00 a.m. The days sampling was all conducted in the general area of the proposed effluent pump station. This is the same area from which samples 5A and 5B were collected on February 19, 1983. The area that was sampled was within the fenced in area to the north of the old treatment plant parking lot. I collected ten soil samples and Envirodyne collected 18 samples. The 10 samples I obtained were composite samples that were split with Envirodyne. Envirodyne obtained 8 additional samples. Additionally, Mr. Zelle supplied Envirodyne and I with 2 samples each, which he characterized as control samples and requested both labs to analyze. Thus, I had a total of 12 samples and Envirodyne had 20 samples. Harold Baker had requested Envirodyne to take 20 samples. Our 2 control samples were marked 10A and 10B. Four photos were taken of the general sampling area. The sampling took place between 9:30 a.m. and 2:30 p.m. The exact locations of sampling points, the physical description of material sampled and the sampling depths are documented on a separate attachment.

A hand auger was utilized to obtain the samples. All soil from each sampling point strata was placed into a stainless steel bucket and thoroughly intermixed in order to obtain representative composite samples. All sampling equipment was cleaned and rinsed with acetone and hexane.

It was observed and ascertained during the sampling that the recent work that had taken place in the general sampling area, between February 19 and March 12, was associated with the drilling of de-watering wells. Mr. Zelle said that about six wells are to be located in the immediate area for the purpose of lowering the water table so that the pump station can be constructed. Excavations are to go down about 30 feet. On March 12, 1983 two of the wells had already been bored and 15 inch PVC casings installed. All work in the immediate area has been halted by Village Attorney, Harold Baker, as of March 8, 1983, pending the outcome of the sampling results. I feel that the pumpage from these new wells must be

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closely monitored due to the proximity of the Sauget/Toxic disposal site. Leachate and contaminants from the site very well may be drawn toward the cone of depression resulting from the pumpage. I understand that the water is to be directly discharged to the Mississippi River. Water quality should be closely scrutinized and routinely samples to determine if it meets required discharge standards. This point has already been discussed with Bob Kuykendall, Milt Clark and Norm Niedergang of USEPA, Elvin Pauls - Corps of Engineers - EPA Construction Office, Phil Van Ness, Vince Moreth and D.W.P.C. - Collinsville.

KGM:jlr

cc: Southern Region
Bob Kuykendall
Phil Van Ness